

Appl. No. 09/377,740
Amendment dated January 15, 2004
Reply to Office Action of December 30, 2003

Amendment to the Claims:

The listing of claims below will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-14 (canceled).

Claim 15. (previously presented): A method of manufacturing a semiconductor integrated circuit comprising the steps of:

employing a plurality of non-customized layer masks to form a plurality of functional blocks and a gate array block within predetermined first areas on a surface of a semiconductor chip, said functional blocks being provided respectively with predetermined functions by semiconductor devices and said gate array block including a plurality of unconnected basic cells;

placing a plurality of I/O buffers in a second area surrounding said first area;

designing circuits for inclusion in said gate array block; and

employing at least one circuit mask to establish electrical connections between the basic cells in accordance with the circuits designed in the previous step, whereby the time required to manufacture the semiconductor integrated circuit and the size of said first areas is minimized.

Claim 16. (previously presented): The method of manufacturing a semiconductor integrated circuit according to claim 15, wherein the electrical connections established between the basic cells provide at least one logic element.

Claim 17. (previously presented): A method of manufacturing a semiconductor integrated circuit according to claim 15, wherein said gate array block is laid out by a standard cell system.

Claim 18. (previously presented): A method of manufacturing a semiconductor integrated

circuit according to claim 15, wherein said gate array block is laid out by one of a standard cell system and a full custom system.

Claim 19. (previously presented): A method of manufacturing a semiconductor integrated circuit according to claim 15, comprising the further steps of establishing electrical connections between the functional blocks and establishing electrical connections between the functional block and the gate array block.

Claim 20-23. (canceled).

Claim 24. (previously presented): A method of manufacturing a semiconductor integrated circuit comprising the steps of:

a first step of employing a plurality of non-customized layer masks to form a plurality of functional blocks and a gate array block within predetermined first areas on a surface of a semiconductor chip, said functional blocks having predetermined functions and said gate array block including a plurality of unconnected basic cells;

a second step of designing a circuit for inclusion in the gate array block; and

a third step of employing at least one circuit mask to establish electrical connections between the basic cells in accordance with the circuit designed in the second step.

Claim 25. (previously presented): The method of claim 24, wherein at least part of said second step occurs contemporaneously with said first step.

Claim 26. (previously presented): The method of claim 24, wherein the first step is completed prior to beginning the second step.